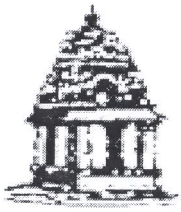

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION : BYATARAYANPURA

SUB DIVISION: BYATARAYANPURA

Name of work: *Maintenance of water supply works to existing borewells at Dasarahalli Village Surrounding area in Ward No. 06 Byatarayanapura Sub Division*

Estimated Cost : Rs 20.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 2000000.00

e of Work: Maintenance of water supply works to existing borewells at at Dasarahalli Village ɔunding area in Ward No. 06 Byatarayanapura Sub Division

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
) Rewinding								
abour Charges of lifting of non functioning ubmersible Pump set along with cable and GI ipes (BWSSB SR 14-15, P-558 I-1(i)	Each Length	2X35	50.00			**3500**	109.00	**381500.00**
ransportation of pumping machineries (**P. 56 / I. 0.3.19) PRED SR (2012-13)**	Each	35				**35**	900.00	**31500.00**
Rewinding of Submersible Pump Sets								
BWSSB SR 14-15 P-58 I-A) 10 HP	No.	6				**6**	4785.00	**28710.00**
BWSSB SR 14-15 P-58 I-A) 7.5 HP	No.	8				**8**	3822.00	**30576.00**
BWSSB SR 14-15 P-58 I-A) 12.5 HP	No.	10				**10**	5885.00	**58850.00**
BWSSB SR 14-15 P-58 I-A) 15.0 HP	No.	11				**11**	5800.00	**63800.00**
3) Replacement of Motor Parts:								
Pump Bowls (BWSSB SR 14-15 P-58 I-B)	No.	175				**175**	308.00	**53900.00**
ntermediate Piece (I.P) With IP Leaded Bronxe ush (BWSSB SR 14-15 P-58 I-B2)	No.	35				**35**	715.00	**25025.00**
Upper Flange **(BWSSB SR 14-15 P-59 I-C3)**	No.	35				**35**	330.00	**11550.00**
Lower Housing **(BWSSB SR 14-15 P-59 I-C4)**	No.	35				**35**	539.00	**18865.00**
Guide vane **(BWSSB SR 14-15 P-58 I-B5)**	No.	130				**130**	192.50	**25025.00**
Impeller Shell moulded with aluminium Bronze) (BWSSB SR 14-15 P-58 I-B6)	No.	35				**35**	264.00	**9240.00**
Discharge outlet (D.O) Bearing D.O Steel Bush **P. (BWSSB SR 14-15 P-58 I-B7)**	No.	40				**40**	522.50	**20900.00**
Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) **(BWSSB SR 14-15 P-58 I-B10)**	No.	35				**35**	660.00	**23100.00**
Pump Couping (Stainless Steel) (BWSSB SR 14-15 P-58 I-B12)	No.	35				**35**	341.00	**11935.00**
Stud and Nuts (BWSSB SR 14-15 P-59 I-C8)	Each	80				**80**	88.00	**7040.00**
Motor Base With Pin (BWSSB SR 14-15 P-59 I-C11)	Each	20				**20**	407.00	**8140.00**
Starter (with one year Guarantee) **P No. 55 / I No. 10.3.3 PRED SR (2012-13)**	No.	20				**20**	5050.00	**101000.00**
Rotor (with one year Guarantee) **P No. 55 / I No. 10.3.6) PRED SR (2012-13)**	No.	25				**25**	4700.00	**117500.00**
Carbon Housing **P. No. 56 / I No.10.3.12 PRED SR (2012-13)**	No.	35				**35**	475.00	**16625.00**
Thrust bearing block assembly complete with Segment bearing pad.**P. No. 55 / I No.10.3.13 PRED SR (2012-13)**	No.	35				**35**	1150.00	**40250.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
il Seal **P. No. 54 / I No.10.2.3 PRED SR (2012-3)**	No.	35				**35**	125.00	**4375.00**
il Seal Steel Bush **P. No. 54 / I No. 10.2.4 RED SR (2012-13)**	No.	35				**35**	150.00	**5250.00**
.O Bearing P. No. 44 / I No. 10.2.7 PRED SR 2012-13)	No.	40				**40**	285.00	**11400.00**
teel Bush **P. No.55 / I No. 10.2.9 PRED SR 2012-13)**	No.	160				**160**	150.00	**24000.00**
llen Screw P. No.44 / I No. 10.2.9 RDPR SR 2012-13)	No.	95				**95**	25.00	**2375.00**
ump Key (Stainless Steel) P. No. 45 / I No. 0.2.11 RDED SR (2012-13)	No.	25				**25**	125.00	**3125.00**
lon – return valve (NRV) assembly complete vith rubber 'O' Ring **P. No. 55 / I No. 10.2.14 PRED SR (2012-13)**	No.	20				**20**	1350.00	**27000.00**
Cable Guard **P. No. 55 / I No. 10.2.15 PRED SR 2012-13)**	No.	35				**35**	150.00	**5250.00**
Strainer P. No. 45 / I No. 10.2.15 RDED SR 2012-13)	No.	35				**35**	150.00	**5250.00**
Brass Filter **P. No. 55 / I No. 10.2.17 PRED SR (2012-13)**	No.	35				**35**	250.00	**8750.00**
Labour Chargesw (Over Hauling Only) P. No. 45 / I No. 10.2.18 PRED SR (2012-13)	No.	35				**35**	556.00	**19460.00**
Re-erection charges of pumping machineries including overhauling and pointing **P. No. 56 / I No. 10.3.20 PRED SR (2012-13)**	Each	35				**35**	950.00	**33250.00**
Lock Ring P. No. 45 / I No. 10.3.11 PREC SR (2012-13)	Each	40				**40**	85.00	**3400.00**
a) Carbon Housing P. No. 46 / I No. 10.3.12 APRDED SR (2012-13)	Each	35				**35**	475.00	**16625.00**
Top Carbon/Ferrodo padding P. No. 46 / I No. 10.3.12 APRDED SR (2012-13)	Each	25				**25**	150.00	**3750.00**
Bearing (Gunmetal) Centrifugal) Cast Aluminium Bronxe, Beaing bush P. No. 46 / I No. 10.3.16 APRDED SR (2012-13)	Each	30				**30**	400.00	**12000.00**
Circillps P. No. 45 / I No. 10.3.17 PREC SR (2012-13)	Each	40				**40**	50.00	**2000.00**
Genaral Itmes								
Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **P No. 32/I No 3b KPWD Electrical SR 2010-11**	No.							
63 Amps		40	3.00			**120.00**		
						120.00	150.00	**18000.00**
Threading of GI Pipes 50mm Dia P. No. 15 / I No.3.11.6 PRED SR (2012-13)		35X40				**1400.00**	25.00	**35000.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
upplying of submersible pump cable (3X6...0 Sq.mm (Page No. XLVII, Sl NO. 8, WD SR-2018-19	Mtr							
		1	1000.00			**1000.00**	144.00	**144000.00**
upplying and fixing MCB (P.NO - XLVII, L.NO - 19, PWD SR 18-19)	No's							
		34	1.00			**34.00**	900.00	**30600.00**
arthwork excavation for foundation of uildings, water supply, sanitary lines and ectrical conduits either in pits or in trenches .5m and above in width, in Ordinary soil not xceeding 1.5 m in depth including dressing he bottom and sides of pits and trenches, tacking the excavated soil clear from edges f excavation with lead upto 50m after reaking of clods complete as per pecifications (P.NO - 6, I.NO - 2.3, PWD SR 8-19)	Cum							
		1	730.00	0.45	0.75	246.38		
						246.38	316.94	**78086.00**
Basic Rate	299.00							
Add 6% Area Weightage	17.94							
	316.94							
Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 96, I.NO - 13.73.2, PWD SR 18-19)	Mtr							
75 mm dia 6 KSC PVC pipe								
		1	730.00			730.00		
						730.00	394.32	**287854.00**
Basic Rate	372.00							
Add 6% Area Weightage	22.32							
Total	**394.32**							
Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 7, I.NO - 2.11, PWD SR 18-19)	Cum							
		Qty. Vide Item No.				**246.38**	128.26	**31600.00**
Basic Rate	121.00							
6% area weightage	7.26							
Total	128.26							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
upplying & delivery of brand 50mm Gate alve. (PWD SR 18-19, P.NO.XLVII Sl.no, 15	No's							
		16				16	1800.00	28800.00
Total of Other SR Items including GST Unit Rate Sl No. 1 to 42)								1325291.00
Total of PWD SR 2018-19 Items (SL no. 43 to 48)								600940.00
2% GST For PWD SR-18-19 Items only								72113.00
liscellaneous and Unforeseen Charges	L/S							1656.00
							Total	2000000.00

IFICATE :

he work spot has been inspected and the work is found necessary.
his estimate is prepared as per PWD SR 2018-19, PRED S.R. of Rural Engineering Department
he provisions were made in this estimate are necessary and adequate.
his works come under B.B.M.P. limits.

21.03.2020

ssistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
Bangalore-24

18/04

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

18/04

Administrative Approval

Accorded For ...Rs. 20.00 lakhs
Head of A/C...P-1771
CER NO :...AS(139. Dt:..20/03/2020

TA

CE (YNK)

TECHNICAL SANCTION

Accorded For Rs. 20.00 Lakhs only
Head of A/c. P1771, POW works
Div. Ref. No. 13/20-21 Date. 24/4/2020

AE

EE(BTP) 24/04